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1988 NORTH DAKOTA VEHICULAR CRASH FACTS

Drivers License & Traffic Safety Division
North Dakota State Highway Department

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VEHICULAR CRASH FACTS

July 1989

Prepared by

NORTH DAKOTA STATE HIGHWAY DEPARTMENT
BISMARCK, NORTH DAKOTA

HIGHWAY COMMISSIONER
Richard J. Backes

DRIVERS LICENSE AND TRAFFIC SAFETY DIVISION
Mylo J. Mehlhoff, Director

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INTRODUCTION

Crash statistics are an important element of North Dakota's traffic safety program. It is only through careful analysis of crashes that pertinent information can be learned about their causes. Corresponding solutions can then be found—laws can be introduced, safety programs can be implemented, enforcement can be increased, and highway improvements can be made.

The specific nature of this data is aimed at helping the various professionals involved in traffic safety by showing them where they can best concentrate their safety efforts. VEHICULAR CRASH FACTS, therefore, is a valuable reference for news media, legislators, researchers, law enforcement agencies, judicial personnel, insurance companies, businesses, students, and persons involved in traffic safety activities. It also carries a message to everyone who gets behind the wheel. Safety is everyone's business.

This report is a study of the data compiled from all North Dakota motor vehicle crash reports in 1988. Pertinent information is maintained concerning drivers, motor vehicles, highways, and traffic crashes. Other information is obtained from the state toxicologist, the Highway Patrol, and emergency medical services. The information is tied together in order to assist the State Highway Department in identifying problems and then in finding appropriate solutions.

Requests for further information or additional copies of this report should be addressed to:

Drivers License and Traffic Safety Division
North Dakota State Highway Department
608 E. Boulevard Avenue
Bismarck, North Dakota 58505-0700
(701) 224-2600

ACKNOWLEDGEMENTS

Gratitude is extended to all law enforcement personnel at the city, county, and state levels who provide the accurate crash reports from which these statistics are obtained. Their efforts make this report a reliable source of information.

DID YOU KNOW?

1986	1987	1988	
5,633,676,000	5,729,027,000	5,799,666,000	vehicle miles traveled within the state.
13,546	11,308	10,906	traffic crashes occurred in North Dakota.
199	101	104	persons were killed in traffic crashes.
5,447	5,120	4,924	persons were injured in traffic crashes.
58%	52%	56%	of the fatal crashes occurred during daylight hours.
74%	84%	81%	of the fatal crashes occurred on dry surface with clear/cloudy weather conditions.

1988 FACTS AND FIGURES

WHO?

4.0% of all licensed drivers in North Dakota were involved in a traffic crash.
69% of all fatalities were male.
36% of those killed were between the ages of 14-24. Males in this age group account for 34% of all male fatalities. Females in this age group account for 40% of all female fatalities.

Ratio of injured to killed was 4,924 to 104 or 47 to 1.

66% of the fatal crashes involved a single motor vehicle.

WHERE?

15% of the fatal crashes occurred in urban areas.
85% of the fatal crashes occurred in rural areas.

WHEN?

30% of all fatal crashes occurred in June and July.
20% of all fatal crashes occurred on Sunday.
38% of all fatal crashes occurred on Saturday and Sunday.
32% of all fatal crashes occurred between 4:00-7:59 p.m.

A reportable crash occurred every 48 minutes.
One person was injured every 1.8 hours.
One person was killed every 3.5 days.

64% of the vehicles involved in crashes were passenger cars.

The total number of registered motorcycles in 1988 was 24,035 compared to 25,880 in 1987.

Of the 234 motorcycles involved in crashes, 8 were involved in fatal crashes and 212 were involved in injury crashes.

Of the 117 pedalcycles involved in crashes, 2 were involved in fatal crashes and 112 were involved in injury crashes.

Of the 24 school buses involved in crashes, none were involved in a fatal crash and 9 were involved in injury crashes.

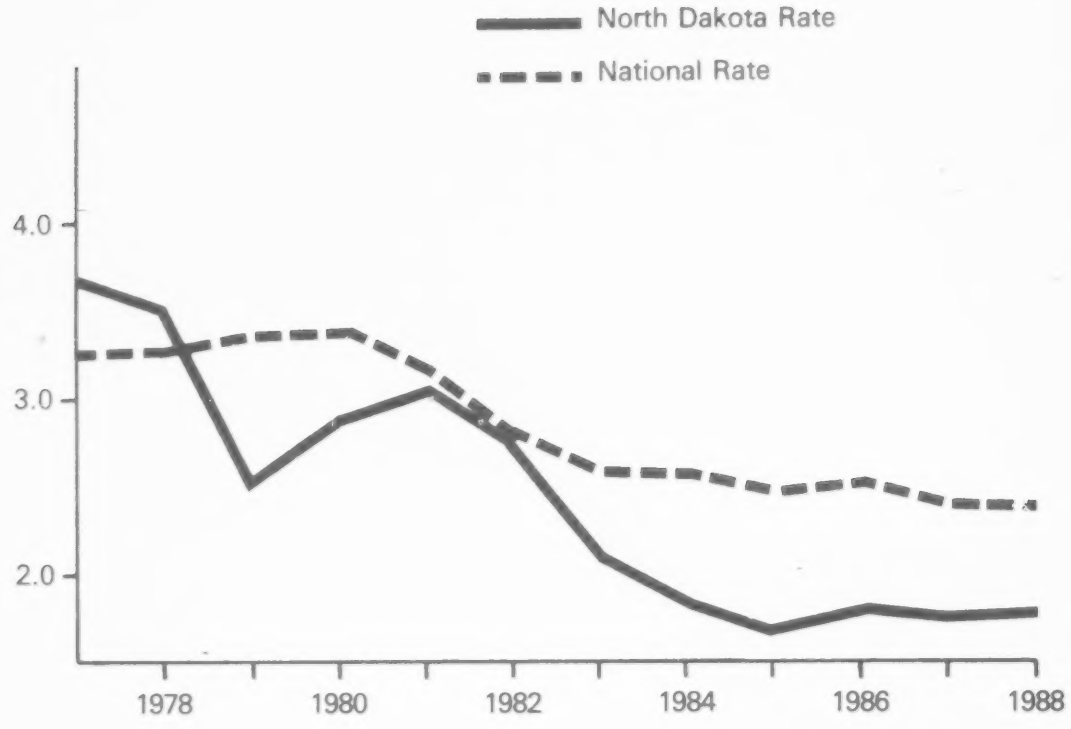
20 emergency vehicles were involved in crashes, none were involved in fatal crashes and 9 were involved in injury crashes.

COST OF TRAFFIC CRASHES

Year	Fatalities		Injuries		Property Damage Crashes		Total Estimated Loss*
	Number	Estimated Loss*	Number	Estimated Loss*	Number	Estimated Loss*	
1978	185	53,127,375	6,206	19,766,110	13,756	7,153,120	80,046,605
1979	128	36,758,400	6,386	20,339,410	13,850	7,202,000	64,299,810
1980	151	43,363,425	5,885	18,743,725	10,744	5,586,880	67,694,030
1981	166	47,671,050	6,213	19,788,405	11,069	5,755,880	73,215,335
1982	148	42,501,900	5,814	18,517,590	11,866	6,170,320	67,189,810
1983	116	33,312,300	5,504	17,530,240	10,971	5,704,920	56,547,460
1984	100	28,717,500	5,413	17,240,405	11,389	5,922,280	51,880,185
1985	90	25,845,750	5,509	17,546,165	10,895	5,665,400	49,057,315
1986	100	28,717,500	5,447	17,348,695	9,774	5,082,480	51,148,675
1987	101	29,004,675	5,120	16,307,200	7,751	4,030,520	49,342,395
1988	104	$29,866,200	4,924	$15,682,940	7,397	$7,397,000	$52,946,140

*Estimated at $287,175 per fatality, $3,185 per injury and $520 per reportable accident.
Estimated figures published by U.S. Department of Transportation, National Highway Traffic Safety Administration.
On July 1, 1987, the minimum amount for a reportable property damage crash increased to $1,000.

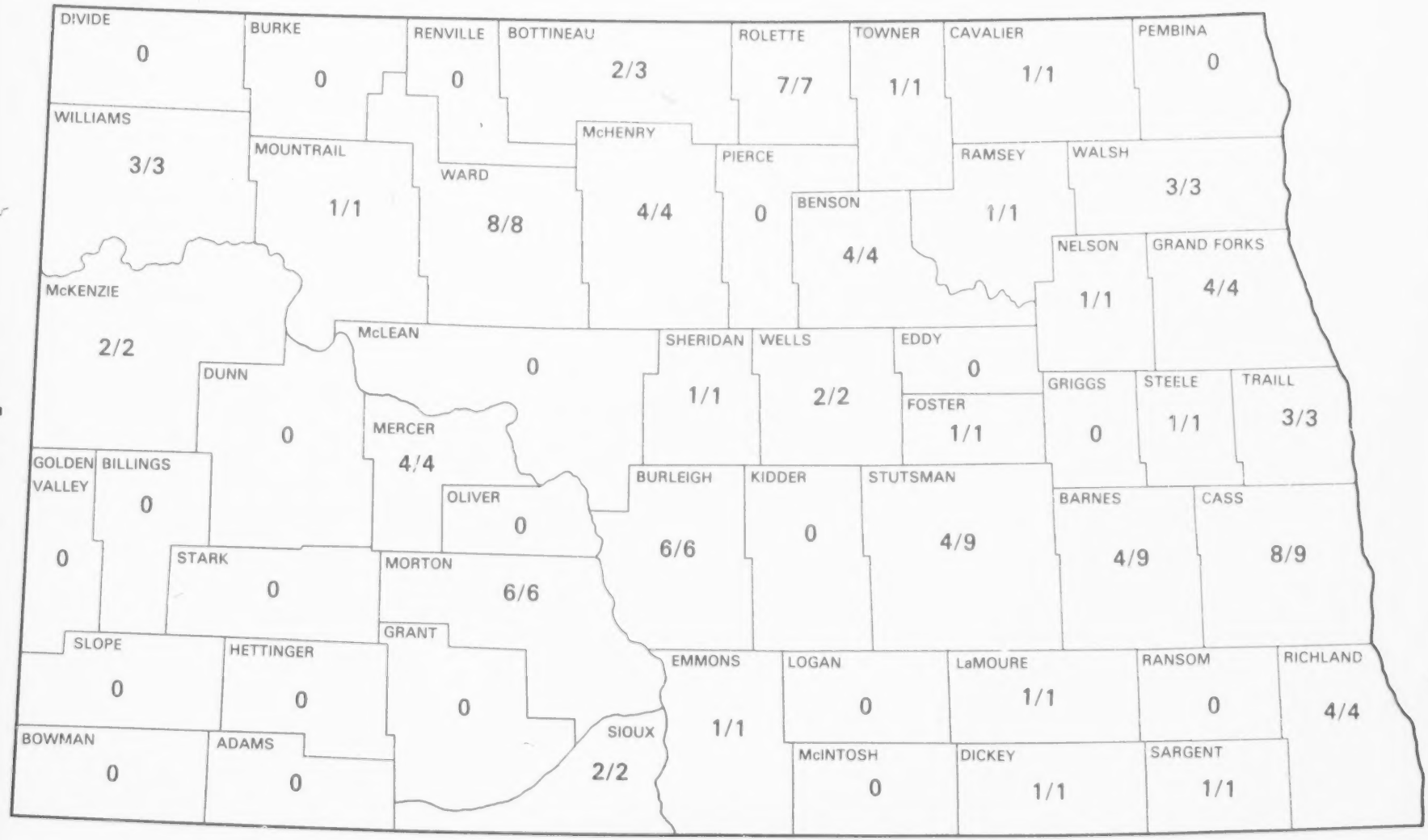
FATALITIES, NORTH DAKOTA AND NATIONAL FATALITY RATE*



YEAR	NORTH DAKOTA FATALITIES	NORTH DAKOTA RATE	NATIONAL** FATALITIES	NATIONAL* RATE
1977	180	3.63	47,878	3.26
1978	185	3.50	50,331	3.26
1979	128	2.50	51,093	3.34
1980	151	2.85	51,091	3.34
1981	166	3.04	49,301	3.17
1982	148	2.75	43,945	2.76
1983	116	2.13	42,589	2.57
1984	100	1.82	44,257	2.58
1985	90	1.67	43,825	2.47
1986	100	1.78	46,087	2.51
1987	101	1.76	46,386	2.40
1988	104	1.79	46,896	2.40

*Rate is based on deaths per 100 million vehicle miles traveled.
**Fatal Accident Reporting System Annual Report.

FATAL CRASHES/FATALITIES BY COUNTY - 1988



STATE TOTAL
Fatal Crashes - 92
Fatalities - 104

PERSONS KILLED AND INJURED BY COUNTY

County	Number Killed	Number injured	Pedestrians Killed	Pedestrians Injured
Adams	—	13	—	—
Barnes	9	111	—	1
Benson	4	45	1	1
Billings	—	13	—	—
Bottineau	3	30	—	—
Bowman	—	17	—	—
Burke	—	22	—	—
Burleigh	6	576	—	16
Cass	9	1,180	1	24
Cavalier	1	20	—	—
Dickey	1	38	—	—
Divide	—	13	—	—
Dunn	—	33	—	—
Eddy	—	17	—	—
Emmons	1	17	—	1
Foster	1	21	—	—
Golden Valley	—	13	—	—
Grand Forks	4	648	—	11
Grant	—	10	—	—
Griggs	—	4	—	—
Hettinger	—	12	—	—
Kidder	—	31	—	2
LaMoure	1	31	—	1
Logan	—	6	—	—
McHenry	4	48	1	1
McIntosh	—	26	—	2
McKenzie	2	43	1	1
McLean	—	49	—	1
Mercer	4	52	—	2
Morton	6	184	—	7
Mountrail	1	38	—	—
Nelson	1	25	—	—
Oliver	—	8	—	—
Pembina	—	61	—	—
Pierce	—	31	—	1
Ramsey	1	83	—	5
Ransom	—	23	—	1
Renville	—	19	—	—
Richland	4	94	2	1
Rolette	7	92	—	4
Sargent	1	29	—	—
Sheridan	1	4	—	—
Sioux	2	13	1	1
Slope	—	3	—	—
Stark	—	132	—	3
Steele	1	19	—	—
Stutsman	9	232	—	6
Towner	1	14	—	—
Traill	3	40	—	2
Walsh	3	79	—	2
Ward	8	387	2	3
Wells	2	35	—	—
Williams	3	140	1	5
TOTALS	104	4,924	10	105

REPORTABLE CRASHES BY COUNTY

County	Total	Fatal	Injury	Property Damage
Adams	32	—	10	22
Barnes	230	4	78	148
Benson	105	4	28	73
Billings	35	—	8	27
Bottineau	84	2	22	60
Bowman	45	—	14	31
Burke	46	—	19	27
Burleigh	1,244	6	408	830
Cass	2,325	8	823	1,494
Cavalier	49	1	16	32
Dickey	96	1	26	69
Divide	37	—	8	29
Dunn	54	—	23	31
Eddy	41	—	12	29
Emmons	51	1	10	40
Foster	44	1	15	28
Golden Valley	34	—	11	23
Grand Forks	1,396	4	462	930
Grant	40	—	10	30
Griggs	12	—	3	9
Hettinger	33	—	8	25
Kidder	56	—	20	36
LaMoure	64	1	21	42
Logan	34	—	5	29
McHenry	111	4	25	82
McIntosh	41	—	15	26
McKenzie	116	2	33	81
McLean	111	—	36	75
Mercer	124	4	35	85
Morton	348	6	122	220
Mountrail	83	1	29	53
Nelson	56	1	14	41
Oliver	20	—	5	15
Pembina	101	—	44	57
Pierce	63	—	16	47
Ramsey	257	1	56	200
Ransom	56	—	18	38
Renville	36	—	14	22
Richland	232	4	66	162
Rolette	132	7	52	73
Sargent	50	1	23	26
Sheridan	10	1	2	7
Sioux	18	2	10	6
Slope	10	—	3	7
Stark	315	—	98	217
Steele	39	1	11	27
Stutsman	499	4	153	342
Towner	30	1	10	19
Traill	127	3	24	100
Walsh	238	3	54	181
Ward	1,081	8	261	812
Wells	69	2	29	38
Williams	346	3	99	244
TOTALS	10,906	92	3,417	7,397

MOTOR VEHICLE FATALITIES ON MAJOR HOLIDAYS

Holiday	Beginning Date	Ending Date	Hours*	Number Deaths
Memorial Day	May 27	May 30	78	—
July 4th	July 1	July 4	78	1
Labor Day	Sept. 2	Sept. 5	78	—
Thanksgiving	Nov. 23	Nov. 27	102	1
Christmas	Dec. 23	Dec. 26	78	1
New Years	Dec. 30, 1988	Jan. 2, 1989	78	—
			TOTAL	3

*Holiday hours established by the National Safety Council and begin at 6:00 p.m. on date shown, and end at 12:00 p.m. on date shown.

RESTRAINT DEVICE USAGE AND EJECTION OF OCCUPANTS IN PASSENGER CARS AND PICKUPS

AGE SIX AND OVER

Safety Equipment	Not Ejected			Partial Ejection			Total Ejection		
	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not in Use (NA)	38	3,026	5,898	6	47	63	33	277	324
Lap Only	1	68	168	—	—	—	—	—	—
Lap & Shoulder	3	622	1,253	—	—	—	—	—	—
Automatic Belts	—	2	3	—	—	—	—	1	1
Equip. Failed	—	2	2	—	—	—	—	—	—
Other	—	5	10	—	1	1	—	2	2
Unknown	2	183	588	—	2	2	1	4	6
SUBTOTALS	44	3,908	7,922	6	50	66	34	284	333

AGE FIVE AND UNDER

Safety Equipment	Not Ejected			Partial Ejection			Total Ejection		
	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not Installed	—	6	25	—	—	1	—	2	2
CSS* Used Properly	—	14	91	—	—	1	—	—	—
CSS* Used Improperly	—	4	10	—	—	—	—	3	4
Held by Passenger	1	—	6	—	—	—	—	—	—
In Veh./Not Used	2	139	294	—	2	2	1	5	6
Seat Belt Used	—	60	195	—	—	—	—	—	—
Other	—	2	4	—	—	—	—	1	1
Unknown	—	5	18	—	—	—	—	1	2
SUBTOTALS	3	230	643	—	2	4	1	12	15
GRAND TOTALS	47	4,138	8,565	6	52	70	35	296	348

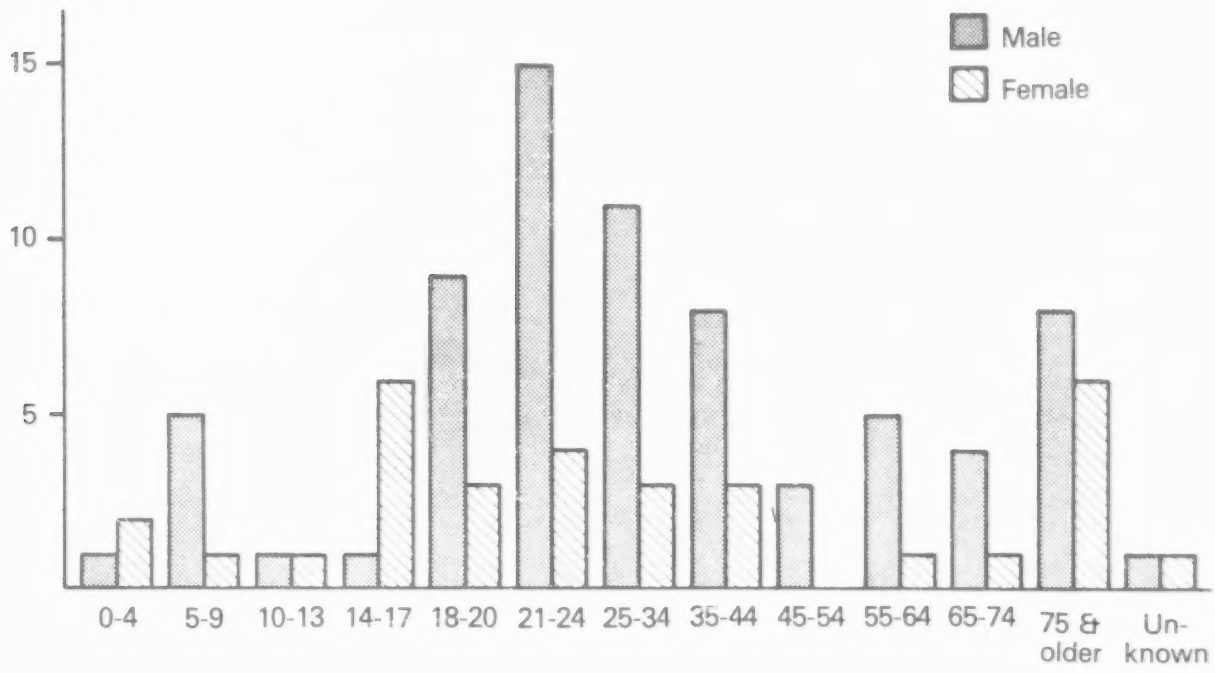
*CSS - Child Safety Seat

TOTAL AND FATAL CRASHES BY TIME OF DAY AND DAY OF WEEK

Time of Day	Total Crashes			Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
	Total	%	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals
12:01 a.m. - 12:59 a.m.	351	3.2	5	15	—	46	2	34	—	37	1	46	—	97	2	76	—
1:00 a.m. - 1:59 a.m.	370	3.4	3	7	—	33	—	23	—	39	1	55	—	106	2	107	—
2:00 a.m. - 2:59 a.m.	247	2.3	4	14	—	25	—	9	—	22	—	26	—	80	1	71	3
3:00 a.m. - 3:59 a.m.	149	1.4	6	9	—	11	—	16	—	12	1	10	1	50	2	41	2
4:00 a.m. - 4:59 a.m.	115	1.1	—	11	—	10	—	11	—	11	—	14	—	31	—	27	—
5:00 a.m. - 5:59 a.m.	116	1.1	2	13	—	12	—	14	1	11	—	16	—	20	—	30	1
6:00 a.m. - 6:59 a.m.	180	1.7	5	29	—	26	—	23	—	23	—	13	—	40	3	26	2
7:00 a.m. - 7:59 a.m.	393	3.6	1	78	—	67	—	64	1	75	—	59	—	32	—	18	—
8:00 a.m. - 8:59 a.m.	463	4.2	1	68	—	95	—	81	1	76	—	87	—	35	—	21	—
9:00 a.m. - 9:59 a.m.	387	3.5	2	76	—	64	—	49	—	74	2	55	—	46	—	23	—
10:00 a.m. - 10:59 a.m.	402	3.7	3	61	1	52	—	43	1	56	—	78	1	63	—	49	—
11:00 a.m. - 11:59 a.m.	563	5.2	1	98	—	78	—	71	—	60	—	125	—	90	—	41	1
12:00 p.m. - 12:59 p.m.	659	6.0	3	113	1	112	1	91	—	87	—	109	1	81	—	66	—
1:00 p.m. - 1:59 p.m.	563	5.2	1	93	—	74	—	73	—	86	—	90	1	95	—	52	—
2:00 p.m. - 2:59 p.m.	635	5.8	5	105	2	104	1	89	—	93	—	115	1	88	—	41	1
3:00 p.m. - 3:59 p.m.	834	7.6	6	159	2	125	—	133	1	127	2	153	—	92	1	45	—
4:00 p.m. - 4:59 p.m.	824	7.6	10	138	3	114	2	120	2	114	—	180	1	97	1	61	1
5:00 p.m. - 5:59 p.m.	783	7.2	4	124	—	122	3	115	—	130	—	134	1	102	—	56	—
6:00 p.m. - 6:59 p.m.	561	5.1	5	87	1	86	2	71	—	94	—	96	—	71	1	56	1
7:00 p.m. - 7:59 p.m.	474	4.3	10	57	2	63	3	53	—	85	1	114	1	55	—	47	3
8:00 p.m. - 8:59 p.m.	441	4.0	3	59	1	48	—	55	—	67	—	60	—	104	1	48	1
9:00 p.m. - 9:59 p.m.	482	4.4	4	50	—	73	—	58	2	67	1	116	1	74	—	44	—
10:00 p.m. - 10:59 p.m.	488	4.5	4	39	1	54	—	47	—	73	—	122	—	106	1	47	2
11:00 p.m. - 11:59 p.m.	371	3.4	4	21	—	30	—	30	—	53	1	110	1	101	2	26	—
Unknown Times	55	.5	—	8	—	7	—	6	—	7	—	10	—	8	—	9	—
TOTALS	10,906	100.0	92	1,532	14	1,531	14	1,379	9	1,579	10	1,993	10	1,764	17	1,128	18

AGE AND SEX OF FATALITIES

Age	Total Fatalities Male	Total Fatalities Female	Pedestrian Fatalities Male	Pedestrian Fatalities Female	Pedalcyclist Fatalities Male	Pedalcyclist Fatalities Female
0 — 4	1	2	1	1	—	—
5 — 9	5	1	1	—	1	—
10 — 13	1	1	—	—	—	—
14 — 17	1	6	—	—	—	—
18 — 20	9	3	—	—	—	—
21 — 24	15	4	2	—	—	—
25 — 34	11	3	—	—	—	—
35 — 44	8	3	—	—	1	—
45 — 54	3	—	—	—	—	—
55 — 64	5	1	2	—	—	—
65 — 74	4	1	1	—	—	—
75 & older	8	6	1	1	—	—
Unknown	1	1	—	—	—	—
TOTAL	72	32	8	2	2	0



NORTH DAKOTA/OUT-OF-STATE DRIVER INVOLVEMENT

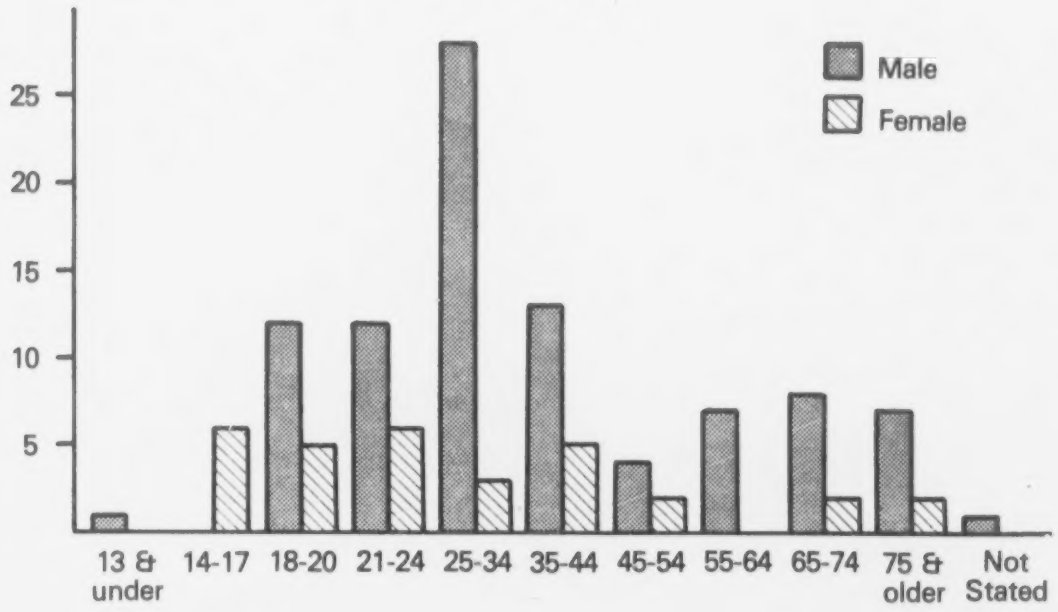
License	All Crashes			Fatal Crashes			Injury Crashes		
North Dakota	14,795	or	84.4%	104	or	83.9%	4,662	or	83.7%
Out-of-State	2,596	or	14.8%	19	or	15.3%	861	or	15.5%
Unknown	138	or	0.8%	1	or	0.8%	45	or	0.6%
TOTAL	17,529			124			5,568		

AGE AND SEX OF PERSONS INJURED

Age	Total	Male	Female	Pedestrian Injuries		Pedalcyclist Injuries	
				Male	Female	Male	Female
0 — 4	102	57	45	5	2	4	1
5 — 9	182	102	80	9	11	18	5
10 — 13	158	79	79	5	6	19	7
14 — 17	705	338	367	6	7	14	7
18 — 20	688	374	314	2	—	9	2
21 — 24	599	320	279	2	6	5	3
25 — 34	954	528	426	5	6	9	2
35 — 44	533	257	276	5	4	3	—
45 — 54	302	155	147	1	—	—	2
55 — 64	248	110	138	2	3	—	—
65 — 74	213	92	121	1	1	—	—
75 & older	212	79	133	4	7	—	—
Unknown	28	15	13	—	—	1	1
TOTAL	4,924	2,506	2,418	47	53	82	30

AGE AND SEX OF DRIVERS INVOLVED IN FATAL CRASHES

Age	Male	Female	Total	% of Total
13 & under	1	—	1	0.8
14 — 17	—	6	6	4.8
18 — 20	12	5	17	13.7
21 — 24	12	6	18	14.5
25 — 34	28	3	31	25.0
35 — 44	13	5	18	14.5
45 — 54	4	2	6	4.8
55 — 64	7	—	7	5.6
65 — 74	8	2	10	8.0
75 & older	7	2	9	7.3
Not Stated	1	—	1	0.8
TOTAL	93	31	124	



CRASH INVOLVEMENT BY AGE, SEX AND LICENSE OF DRIVER

Age	Licensed Drivers			Involved In All Crashes			Involved In Injury Crashes		
13 and under	—		—	26	or	0.1%	18	or	0.3%
14 — 17	16,895	or	3.9%	1,938	or	11.1%	655	or	11.8%
18 — 20	25,672	or	5.9%	2,495	or	14.2%	809	or	14.5%
21 — 24	35,232	or	8.1%	2,419	or	13.8%	767	or	13.8%
25 — 34	102,769	or	23.7%	4,097	or	23.4%	1,310	or	23.5%
35 — 44	82,280	or	19.0%	2,511	or	14.3%	803	or	14.4%
45 — 54	53,761	or	12.4%	1,361	or	7.8%	419	or	7.5%
55 — 64	50,314	or	11.6%	1,133	or	6.5%	336	or	6.5%
65 — 74	41,665	or	9.6%	821	or	4.7%	242	or	4.4%
75 and older	24,819	or	5.7%	637	or	3.6%	186	or	3.4%
Not Stated	—		—	91	or	0.5%	23	or	0.4%
TOTALS	433,407			17,529			5,568		
Sex									
Male	221,462	or	51.1%	11,215	or	64.0%	3,409	or	61.2%
Female	211,945	or	48.9%	6,314	or	36.0%	2,159	or	38.8%
TOTALS	433,407			17,529			5,568		

FATALITY BLOOD ALCOHOL CONCENTRATION LEVELS

The North Dakota Century Code requires that the state toxicologist analyze a blood sample of every person killed in a traffic crash for the purpose of determining if the individual has a Measurable Blood Alcohol Concentration (BAC), and what the percentage of BAC was. The following statistics were provided by the state toxicologist for the period January 1979 through December 1988.

	1988	January 1979 thru December 1988
Traffic deaths in North Dakota	104	1,200
Victims 14 years of age and older	92	1,124
Number of satisfactory blood samples analyzed	64	801
Victims	104 (64)*	1,200 (801)*
Measurable BAC	40 or 63%	517 or 65%
BAC of 0.05% or higher	38 or 59%	484 or 60%
BAC of 0.10% or higher	36 or 56%	439 or 55%
BAC of 0.15% or higher	30 or 47%	352 or 44%
BAC of 0.20% or higher	15 or 23%	201 or 25%
Drivers killed	61 (49)*	786 (604)*
Measurable BAC	29 or 59%	395 or 65%
BAC of 0.05% or higher	29 or 59%	376 or 62%
BAC of 0.10% or higher	28 or 57%	347 or 57%
BAC of 0.15% or higher	23 or 47%	278 or 46%
BAC of 0.20% or higher	10 or 20%	161 or 27%
Drivers killed in single-vehicle crashes	34 (28)*	365 (302)*
Measurable BAC	21 or 75%	238 or 79%
BAC of 0.05% or higher	21 or 75%	233 or 77%
BAC of 0.10% or higher	20 or 71%	223 or 74%
BAC of 0.15% or higher	17 or 61%	187 or 62%
BAC of 0.20% or higher	7 or 25%	110 or 36%
Victims 14 to 20 years of age	19 (16)*	264 (189)*
Measurable BAC	9 or 56%	129 or 68%
BAC of 0.05% or higher	7 or 44%	114 or 60%
BAC of 0.10% or higher	6 or 38%	94 or 50%
BAC of 0.15% or higher	3 or 19%	56 or 30%
BAC of 0.20% or higher	1 or 6%	20 or 11%
Drivers 14 to 20 years of age	13 (11)*	161 (129)*
Measurable BAC	5 or 45%	90 or 70%
BAC of 0.05% or higher	5 or 45%	84 or 65%
BAC of 0.10% or higher	5 or 45%	72 or 56%
BAC of 0.15% or higher	3 or 27%	45 or 35%
BAC of 0.20% or higher	1 or 9%	16 or 12%

*Numbers in parenthesis are the number of blood samples processed by the state toxicologist.

TRAFFIC VIOLATIONS/CONVICTIONS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1988	1987
No Driver's License	116	94	138	78	202	175	196	167	129	140	204	107	1,746	1,490
Reckless Driving	35	31	39	21	34	29	16	11	32	17	47	22	334	311
Speeding	3,867	3,472	4,804	3,223	6,237	5,468	5,760	5,482	4,080	4,617	7,835	5,275	60,120	42,972
Fail to Stop	233	297	336	225	374	353	333	305	219	273	489	359	3,796	2,356
Careless Driving	37	43	39	22	41	44	46	28	20	38	54	41	453	410
Lv/Scene - Property Damage	17	16	20	13	12	12	10	20	15	10	11	20	176	178
Care Required	178	227	182	70	143	152	158	135	88	105	254	182	1,874	1,442
Exhibition Driving	34	38	69	37	97	95	114	95	56	56	96	67	854	793
Open Container in MV	57	59	95	64	174	195	142	130	89	90	161	81	1,337	841
Failure to Yield	66	72	58	4	1	—	—	—	—	4	5	7	217	785
Failed to Report Crash	18	28	23	12	26	20	17	15	12	12	36	18	237	203
Disregard Traffic Control	172	229	240	145	150	174	169	157	124	110	270	185	2,125	1,936
No Liability Insurance	38	71	40	32	39	28	43	22	18	15	77	31	454	416
Disregard Law Officer in MV	6	7	11	9	13	12	15	12	7	13	9	3	117	107
Driving Under Influence	214	117	216	35	255	244	38	11	235	104	245	57	1,771	2,427
Physical Control	17	16	14	2	30	25	3	2	19	19	31	8	186	267
Driving Under Susp./Revoc.	34	108	6	5	12	35	1	2	6	4	203	2	418	1,971
Violation of DL Restrictions	7	12	12	9	17	21	21	22	9	17	14	8	169	147
Racing MV on Highway	3	4	2	4	4	5	7	4	5	8	3	2	51	23
Miscellaneous	610	794	985	634	1,151	1,056	935	813	701	660	1,044	1,053	10,436	7,878
TOTALS	5,759	5,735	7,329	4,644	9,012	8,143	8,024	7,433	5,864	6,312	11,088	7,528	86,871	66,953

CRASHES BY TYPE OF DRIVER VIOLATION

Violation	All Crashes			Fatal Crashes			Injury Crashes		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
None	6,940	3,683	10,623	11	62	73	2,268	881	3,149
D.U.I	267	290	557	1	20	21	137	180	317
Open Container	8	10	18	—	1	1	2	5	7
Drivers License	148	132	280	—	2	2	66	66	132
Careless Driving	478	613	1,091	1	5	6	146	240	386
Left. Acc. Scene	140	69	209	—	2	2	53	15	68
Fail to Yield	1,727	300	2,027	3	7	10	557	97	654
Traffic Control	322	11	333	—	—	—	131	7	138
Following	406	90	496	—	—	—	137	18	155
Improper Turning	298	66	364	—	2	2	47	20	67
Improper Backing	74	33	107	—	—	—	5	3	8
Overtaking	33	55	88	—	—	—	7	14	21
Wrong Way	13	5	18	—	1	1	4	—	4
Speed	107	35	142	—	—	—	43	8	51
Defective Equip.	37	23	60	—	1	1	13	4	17
Criminal Offense	24	17	41	—	—	—	16	14	30
Illegal Parking	5	9	14	—	—	—	3	5	8
Other	641	420	1,061	1	4	5	205	151	356
TOTALS	11,668	5,861	17,529	17	107	124	3,840	1,728	5,568

CRASH SUMMARY BY MONTH

Month	Total Crashes			Fatal Crashes	Injury Crashes	No. Deaths	No. Injured
January	1,052	or	9.7%	4	264	4	361
February	1,000	or	9.2%	5	254	6	360
March	756	or	6.9%	5	237	5	349
April	648	or	5.9%	7	230	7	332
May	790	or	7.2%	8	293	8	435
June	859	or	7.9%	16	347	16	533
July	823	or	7.5%	12	307	17	450
August	846	or	7.8%	7	296	7	422
September	910	or	8.3%	9	299	10	419
October	965	or	8.9%	7	307	7	415
November	1,020	or	9.4%	4	282	9	416
December	1,237	or	11.3%	8	301	8	432
TOTALS	10,906			92	3,417	104	4,924

CRASHES BY LIGHT CONDITIONS

Light Condition	Total Crashes			Fatal Crashes	Injury Crashes
	6,708	or	61.5%	51	2,188
	194	or	1.8%	1	43
	409	or	3.8%	3	129
	1,693	or	15.5%	5	535
	1,877	or	17.2%	32	517
	25	or	0.2%	—	5
TOTALS	10,906			92	3,417

ROAD SURFACE AND WEATHER CONDITIONS

FATAL CRASHES

Road Surface Conditions

Weather Cond.	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
	75	1	—	1	—	3	3	—	83
	—	2	—	—	—	—	—	—	2
	—	—	—	2	—	2	—	—	4
	—	—	—	—	—	1	—	—	1
	1	—	—	—	—	—	1	—	2
TOTALS	76	3	—	3	—	6	4	—	92

ROAD SURFACE AND WEATHER CONDITIONS

INJURY CRASHES

Road Surface Conditions

Weather Cond.	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
Clear Cloudy	2,374	146	4	44	20	387	50	13	3,038
Rain	—	124	2	—	2	7	—	1	136
Snow	—	4	—	36	10	63	2	—	115
Blow Snow	8	—	—	23	3	51	2	1	88
Sleet Hail	—	1	1	2	1	9	—	—	14
Fog Smoke	10	—	—	—	—	2	3	—	15
Wind	3	—	—	—	—	2	—	—	5
Other	4	1	—	—	—	—	—	1	6
TOTALS	2,399	276	7	105	36	521	57	16	3,417

ROAD SURFACE AND WEATHER CONDITIONS

ALL CRASHES

Weather Cond.	Road Surface Conditions								
	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
	6,834	451	13	178	69	1,738	175	37	9,495
	—	382	13	1	5	21	—	1	423
	—	18	1	130	32	295	4	1	481
	31	4	—	81	5	209	4	3	337
	—	3	1	2	8	37	—	1	52
	23	9	2	3	—	12	15	—	64
	14	1	—	2	—	8	—	—	25
	14	1	—	—	1	9	1	3	29
TOTALS	6,916	869	30	397	120	2,329	199	46	10,906

TYPE OF MOTOR VEHICLE CRASHES

NUMBER OF CRASHES

	TOTAL				ON ROADWAY				OFF ROADWAY			
	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage
Overturning	1,190	34	556	600	190	6	102	82	1,000	28	454	518
Other Noncollision	277	2	118	157	67	2	30	35	210	—	88	122
Struck Other MV	6,591	28	2,001	4,562	6,328	28	1,939	4,361	263	—	62	201
Parked MV	422	2	73	347	104	1	18	85	318	1	55	262
Pedestrian	117	9	107	1	110	7	102	1	7	2	5	—
RR Train	20	2	10	8	20	2	10	8	—	—	—	—
Pedalcyclist	72	2	68	2	71	2	67	2	1	—	1	—
Animal	890	—	31	859	886	—	31	855	4	—	—	4
Fixed Object	1,183	12	418	753	201	—	68	133	982	12	350	620
Other Object	99	1	31	67	43	1	08	34	56	—	23	33
Fire/Explosion	35	—	1	34	25	—	1	24	10	—	—	10
Submersion	3	—	1	2	—	—	—	—	3	—	1	2
Unknown	7	—	2	5	4	—	2	2	3	—	—	3
TOTALS	10,906	92	3,417	7,397	8,049	49	2,378	5,622	2,857	43	1,039	1,775

NUMBER OF PERSONS INVOLVED

	Total	Fatalities	Incapacitating Injury	Evident Injury	Possible Injury	No Injury
Overturning	1,951	34	177	363	265	1,112
Other Noncollision	447	2	32	74	40	299
Struck Other MV	19,767	34	354	944	1,730	16,705
Parked MV	504	2	9	41	37	415
Pedestrain	276	9	28	47	28	164
RR Train	35	7	4	8	4	12
Pedalcyclist	166	2	16	43	12	93
Animal	1,587	—	7	11	19	1,550
Fixed Object	1,770	13	128	272	168	1,189
Other Object	166	1	5	21	20	119
Fire/Explosion	75	—	—	6	—	69
Submersion	4	—	—	1	—	3
Unknown	39	—	—	3	7	29
TOTALS	26,787	104	760	1,834	2,330	21,759

*REPORTABLE CRASHES BY CITY
POPULATION 5,000 AND OVER

	Total	Fatal	Injury	Damage	Number Killed	Number Injured
Fargo	1,786	—	660	1,126	—	919
Grand Forks	1,079	—	364	715	—	508
Bismarck	1,079	1	359	719	1	500
Minot	843	4	207	632	4	298
Jamestown	351	2	111	238	2	175
Dickinson	214	—	68	146	—	96
Williston	223	—	61	161	1	87
Mandan	174	2	68	104	2	98
Valley City	89	1	35	53	1	47
Devils Lake	149	—	35	114	—	54
Wahpeton	93	3	27	63	3	36
Grafton	89	—	15	74	—	19
West Fargo	170	—	61	109	—	100
TOTALS	6,339	14	2,071	4,254	14	2,937

*Does not include Interstate urban accidents.

VEHICLE INVOLVEMENT BY TYPE

	Total			Fatal	Injury
Passenger Car	12,012	or	64.0%	72	3,869
Pickup - Van - Jeep	4,411	or	23.5%	29	1,234
Truck Tractor	357	or	1.9%	9	89
Truck	286	or	1.5%	3	85
Taxi	8	or	0.0%	—	1
Bus	41	or	0.2%	—	7
School Bus	24	or	0.1%	1	8
Motorcycle	234	or	1.3%	8	212
Moped	10	or	0.1%	—	10
Pedalcycle	117	or	0.6%	2	112
Construction Equipment	33	or	0.2%	—	7
Snowmobile	11	or	0.1%	—	10
Emergency Equipment	20	or	0.1%	—	9
Train	17	or	0.1%	2	8
Motor Home/R.V.	23	or	0.1%	—	6
Farm Equipment	32	or	0.2%	1	9
All Terrain Vehicle	6	or	0.0%	—	6
Parked	1,101	or	5.9%	4	244
Other	21	or	0.1%	1	6
TOTALS	18,764			132	5,932

CRASHES BY OBJECT STRUCK

	All Urban	All Rural	Fatal Urban	Fatal Rural	Injury Urban	Injury Rural
None	5,668	2,315	11	63	1,833	752
Official Sign	58	82	—	1	24	24
Advertising Sign	5	2	—	—	2	—
Delineator	13	67	—	2	3	11
Guardrail	41	112	—	2	13	34
Light Standard	94	19	—	—	22	3
Bridge	23	55	1	3	7	24
Drainage Structure	9	39	—	—	5	22
Utility Pole	95	52	—	—	37	15
Tree/Shrub	97	88	—	—	38	33
Rocks	—	13	—	—	—	5
Roadway Slope	18	401	—	4	8	207
Fence	28	77	—	—	13	24
Hydrant	43	4	—	—	8	—
Bird	—	2	—	—	—	—
Small Pet	—	3	—	—	—	1
Small Wild Animal	—	3	—	—	—	—
Farm Animal	1	100	—	—	—	11
Deer	10	752	—	—	—	18
Other Big Game	—	14	—	—	—	2
Approach	3	149	—	3	1	105
Building	28	29	2	—	9	7
Mailbox	9	22	—	—	2	4
Snowbank	9	22	—	—	1	5
Curb/Wall	47	8	—	—	26	4
Other	40	137	—	—	19	35
TOTALS	6,339	4,567	14	78	2,071	1,346

CRASHES BY URBAN POPULATION

*Urban Population	NUMBER OF CRASHES Total	Fatal	Injury	Damage	NUMBER OF PERSONS Killed	Injured
5,000 — 10,000	420	4	112	304	4	156
10,000 — 25,000	1,132	5	369	758	5	556
25,000 — 50,000	3,001	5	930	2,066	5	1,304
50,000 — 100,000	1,786	—	660	1,126	—	919
TOTALS	6,339	14	2,071	4,254	14	2,935

*Does not include Interstate urban crashes. Interstate is considered a rural roadway.

CRASHES BY ROADWAY

URBAN

Urban Roadways	Total	Fatal	Injury	Damage	Killed	Injured
Interstate	174	2	46	126	2	61
Federal-aid Primary	1,675	5	571	1,099	5	864
Federal-aid Urban	2,499	7	848	1,644	7	1,185
Local	2,165	2	652	1,511	2	888
SUBTOTALS	6,513	16	2,117	4,380	16	2,998

RURAL

Rural Roadways	Total	Fatal	Injury	Damage	Killed	Injured
Interstate	548	10	139	399	11	224
Federal-aid Primary	1,452	27	401	1,024	32	612
Federal-aid Secondary	721	20	226	475	21	337
Local	1,672	19	534	1,119	24	753
SUBTOTALS	4,393	76	1,300	3,017	88	1,926
TOTALS	10,906	92	3,417	7,397	104	4,924

NON-TRAFFIC CRASHES*

CRASHES

	Total	Fatal	Injury	Damage
Overturning	42	1	26	15
Other Noncollision	16	—	5	11
Struck Other MV	400	—	56	344
Parked MV	—	—	—	—
Pedestrian	16	—	16	—
RR Train	2	—	1	1
Pedalcyclist	11	—	11	—
Animal	4	—	—	4
Fixed Object	228	1	32	195
Other Object	16	—	5	11
Fire/Explosion	2	—	—	2
Submersion	1	—	—	1
Unknown	149	—	3	146
TOTALS	887	2	155	730

PERSONS

	Total	Fatalities	Incap. Injury	Evident Injury	Possible Injury	None
Overturning	60	2	10	15	3	30
Other Noncollision	30	—	1	7	—	22
Struck Other MV	916	—	5	17	44	850
Parked MV	—	—	—	—	—	—
Pedestrian	30	—	6	4	4	16
RR Train	2	—	1	—	—	1
Pedalcyclist	13	—	1	—	1	11
Animal	8	—	—	—	—	8
Fixed Object	282	1	14	14	10	243
Other Object	14	—	2	[illegible]	1	9
Fire/Explosion	4	—	—	[illegible]	—	4
Submersion	—	—	—	—	—	—
Unknown	123	—	—	—	1	122
TOTALS	1,482	3	40	59	64	1,316

*Any crash involving motor vehicles occurring entirely outside of a public traveled way.